



## SUWANNEE RIVER BASIN

2002 Water Year

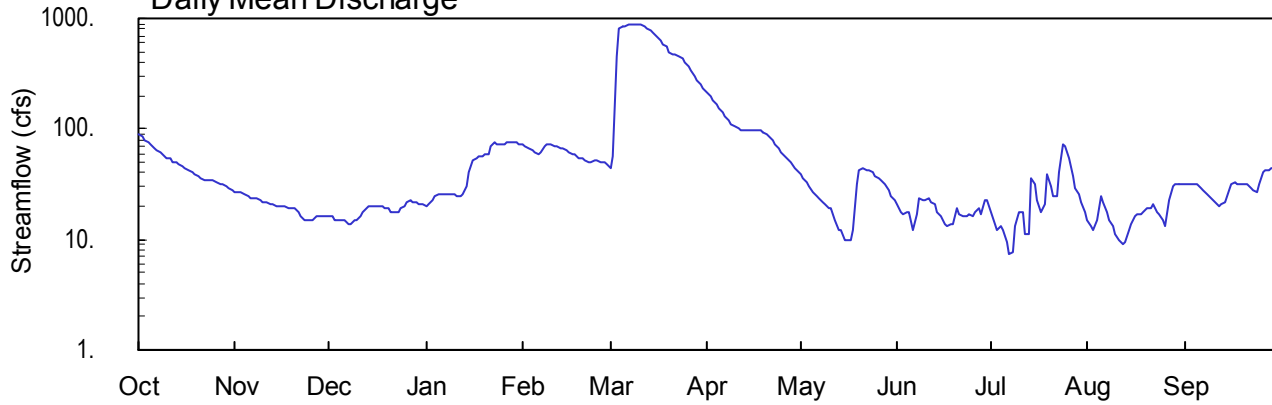
### 02314500 SUWANNEE RIVER AT FARGO, GA

Latitude: 30° 40' 50" Longitude: 82° 33' 38" Hydrologic Unit Code: 03110201

Clinch County

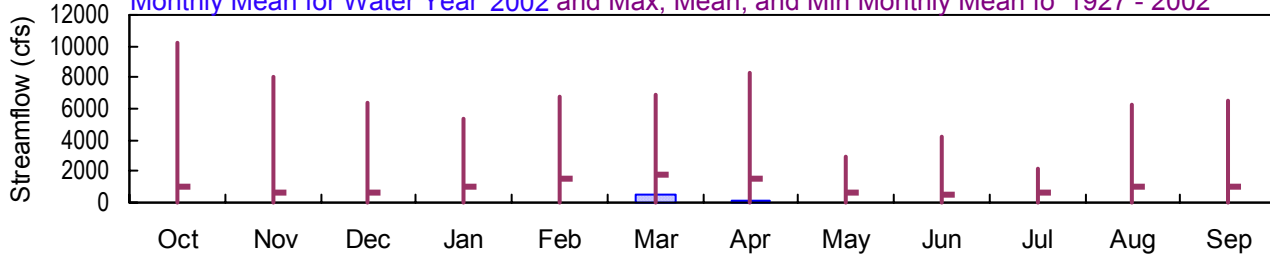
Drainage Area: 1,260. mi<sup>2</sup> Datum: 91.90 feet

#### Daily Mean Discharge

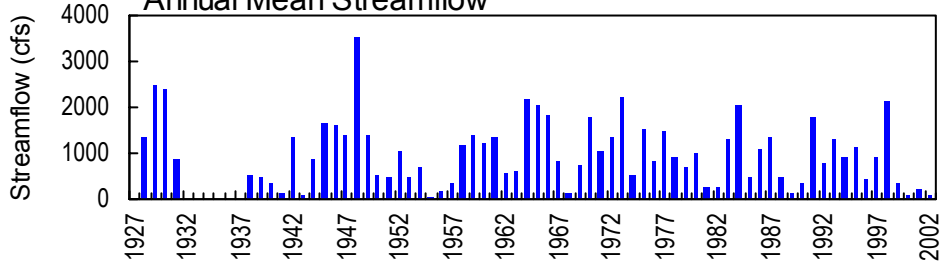


#### Monthly Statistics

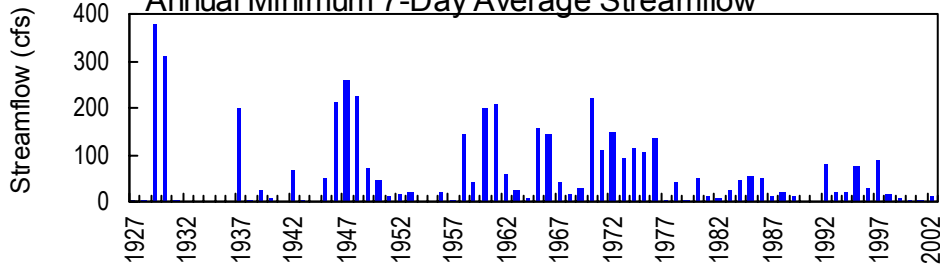
Monthly Mean for Water Year 2002 and Max, Mean, and Min Monthly Mean for 1927 - 2002



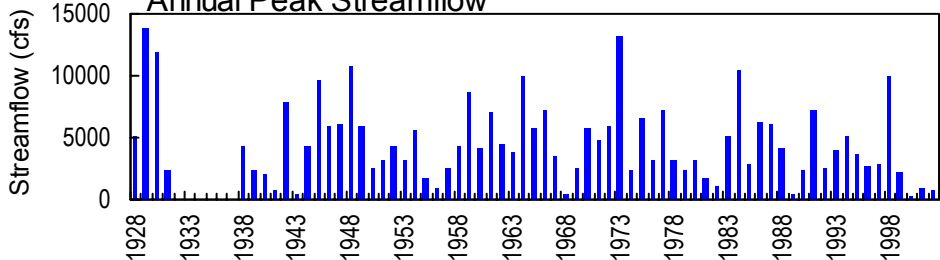
#### Annual Mean Streamflow



#### Annual Minimum 7-Day Average Streamflow



#### Annual Peak Streamflow



02314500 - Suwannee River at Fargo, GA

## SUWANNEE RIVER BASIN

2002 Water Year

### 02314500 SUWANNEE RIVER AT FARGO, GA

**LOCATION.**—Lat 30°40'50", long 82°33'38" referenced to North American Datum (NAD) of 1927, Clinch County, Hydrologic Unit, 03110201, on downstream side of right bank pier of bridge on US 441 at Fargo, 4.0 miles upstream from Suwannoochee Creek, and 12.0 miles downstream from Mixons Ferry dam site.

**DRAINAGE AREA.**—1,260 mi<sup>2</sup>, approximately, includes part of watershed in Okefenokee Swamp, which is indeterminate.

**COOPERATION.**—Georgia Geologic Survey.

### WATER-DISCHARGE RECORDS

**PERIOD OF RECORD.**—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

**REVISED RECORDS.**—WSP 1234: Drainage area. WSP 1504: 1928-30.

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

**REMARKS.**—Records good. Low flow at times affected by manipulation of water level at Mixons Ferry Dam.

**PEAK DISCHARGES FOR CURRENT YEAR.**—Peak discharges greater than base discharge of 2,500 ft<sup>3</sup>/s and maximum (\*):

DATE	TIME	DISCHARGE (ft <sup>3</sup> /s)	GAGE-HEIGHT (ft)
Mar. 10	1630	875*	7.03*

## **SUWANNEE RIVER BASIN**

**2002 Water Year**

**02314500 SUWANNEE RIVER AT FARGO, GA—continued.**

### **WATER-STAGE RECORDS**

**PERIOD OF RECORD.**—January 1921 to September 1923 (gage-heights only), January 1927 to December 1931, April 1937 to current year. Monthly discharge only for April 1937, published in WSP 1304.

**GAGE.**—Satellite telemetry with a water-stage recorder. Datum of gage is 91.90 feet above National Geodetic Vertical Datum (NGVD) of 1929. From January 27, 1921 to September 30, 1923, a non-recording gage was located at site 1,200 feet upstream at datum 3.00 feet higher. From January 27, 1927 to December 31, 1931 and from April 20, 1937 to June 10, 1938, a non-recording gage was located at site 1,000 feet upstream at datum 1.00 feet higher. From June 11, 1938 to November 26, 1952, a non-recording gage was located at site 1,000 feet upstream at present datum. From October 14, 1960 to October 29, 1970, an auxiliary water-stage recorder was located at a site about 3.0 miles upstream, and since November 5, 1971, an auxiliary water-stage recorder was located at a site about 2.0 miles upstream.

**REMARKS.**—Records good.

**EXTREMES FOR CURRENT YEAR.**—Maximum gage-height recorded, 7.03 feet, March 10; minimum gage-height recorded, 0.70 feet, July 8.

### **PRECIPITATION RECORDS**

**PERIOD OF RECORD.**—June 21, 2002 to September 30, 2002.

**GAGE.**—Tipping-bucket raingage.

**REMARKS.**—Records good.

STATION NUMBER 02314500 SUWANNEE RIVER AT FARGO, GA SOURCE AGENCY USGS STATE 13 COUNTY 065  
 LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260.00\* CONTRIBUTING DRAINAGE AREA DATUM 91.90 NGVD29  
 Date Processed: 2003-03-10 09:35 By acday

APPROVED

DD #1

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002  
 DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	27	16	20	73	45	214	39	21	18	15	31
2	85	27	16	21	70	56	199	36	18	14	13	32
3	80	27	15	23	68	455	183	33	17	12	12	32
4	76	26	15	25	65	825	169	30	18	13	15	31
5	72	25	15	26	62	860	155	27	18	12	25	31
6	68	24	15	26	60	861	142	25	12	9.4	22	29
7	64	24	14	26	62	868	129	24	17	7.4	18	28
8	61	24	14	26	71	866	120	22	24	7.7	15	26
9	58	23	15	26	74	865	111	21	23	13	13	25
10	55	22	15	26	72	870	105	19	23	18	11	23
11	54	22	16	25	71	866	101	19	24	18	10	22
12	51	21	18	25	69	848	99	15	22	11	9.2	20
13	49	21	19	26	67	825	98	12	21	11	9.6	21
14	48	20	20	30	66	788	98	12	18	36	12	22
15	46	20	20	41	64	742	98	10	16	31	14	28
16	45	20	20	53	62	692	99	9.7	14	23	16	32
17	42	20	20	55	60	642	98	9.8	13	18	17	33
18	41	19	20	56	58	594	97	12	14	21	17	32
19	39	19	19	57	55	547	94	32	14	39	18	32
20	38	19	19	58	54	502	90	43	19	30	19	31
21	36	18	18	60	52	470	85	44	17	25	19	31
22	35	16	18	70	51	469	79	43	16	25	21	29
23	34	15	18	75	51	459	73	42	16	40	18	28
24	35	15	19	74	53	428	68	40	17	73	17	27
25	34	15	20	74	53	394	62	38	16	70	15	32
26	33	15	22	74	51	362	57	36	18	55	13	41
27	32	16	23	75	49	333	52	34	19	37	23	42
28	31	16	22	76	47	305	49	31	17	29	30	43
29	30	16	22	77	---	278	45	28	23	26	32	44
30	29	16	21	76	---	252	42	25	23	22	31	44
31	28	---	21	74	---	230	---	23	---	18	31	---
TOTAL	1518	608	565	1476	1710	17597	3111	834.5	548	782.5	550.8	922
MEAN	49.0	20.3	18.2	47.6	61.1	568	104	26.9	18.3	25.2	17.8	30.7
MAX	89	27	23	77	74	870	214	44	24	73	32	44
MIN	28	15	14	20	47	45	42	9.7	12	7.4	9.2	20
CFSM	0.04	0.02	0.01	0.04	0.05	0.45	0.08	0.02	0.01	0.02	0.01	0.02
IN.	0.04	0.02	0.02	0.04	0.05	0.52	0.09	0.02	0.02	0.02	0.02	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1927 - 2002, BY WATER YEAR (WY)

MEAN	1082	582	661	1057	1491	1827	1525	629	462	624	1046	988
MAX	10150	8066	6426	5345	6771	6933	8330	2952	4258	2180	6278	6471
(WY)	1929	1948	1977	1942	1998	1998	1973	1928	1973	1946	1945	1964
MIN	0.12	0.13	0.24	3.04	4.28	6.10	12.7	7.13	4.33	1.82	0.20	0.43
(WY)	1955	1932	1955	1955	1957	1955	1955	1955	1955	1954	1954	1954

## SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1927 - 2002

ANNUAL TOTAL	73445.3	30829.6	
ANNUAL MEAN	201	84.5	1005
HIGHEST ANNUAL MEAN			3512
LOWEST ANNUAL MEAN			59.8
HIGHEST DAILY MEAN	911	Aug 7	13800
LOWEST DAILY MEAN	2.9	Jun 9	0.00
ANNUAL SEVEN-DAY MINIMUM	3.6	Jun 3	0.00
MAXIMUM PEAK FLOW			13800
MAXIMUM PEAK STAGE			21.01
INSTANTANEOUS LOW FLOW			0.00
ANNUAL RUNOFF (CFSM)	0.16	0.067	0.80
ANNUAL RUNOFF (INCHES)	2.17	0.91	10.84
10 PERCENT EXCEEDS	669	124	2630
50 PERCENT EXCEEDS	79	32	426
90 PERCENT EXCEEDS	16	16	32

STATION NUMBER 02314500 SUWANNEE RIVER AT FARGO, GA SOURCE AGENCY USGS STATE 13 COUNTY 065  
 LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260.00\* CONTRIBUTING DRAINAGE AREA DATUM 91.90 NGVD29  
 Date Processed: 2003-03-10 08:14 By acday

APPROVED

DD #2, BASE 555 DCP

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.84	1.06	0.91	1.01	1.66	1.29	3.17	1.20	1.07	1.02	1.07	1.36
2	1.79	1.06	0.91	1.03	1.62	1.44	3.03	1.14	1.03	0.94	1.03	1.38
3	1.74	1.05	0.90	1.06	1.59	4.60	2.88	1.09	0.98	0.87	1.01	1.37
4	1.69	1.04	0.89	1.10	1.55	6.80	2.74	1.05	0.96	0.89	1.08	1.36
5	1.64	1.02	0.89	1.12	1.52	6.96	2.60	1.00	0.96	0.88	1.27	1.35
6	1.60	1.00	0.88	1.13	1.49	6.96	2.46	0.96	0.86	0.80	1.22	1.33
7	1.55	1.00	0.86	1.13	1.52	6.99	2.33	0.93	1.00	0.74	1.15	1.31
8	1.51	0.99	0.86	1.13	1.63	6.99	2.21	0.90	1.13	0.74	1.08	1.28
9	1.48	0.98	0.88	1.12	1.66	6.99	2.11	0.86	1.12	0.90	1.04	1.26
10	1.44	0.97	0.89	1.12	1.64	7.01	2.03	0.83	1.12	1.02	0.99	1.24
11	1.43	0.96	0.92	1.11	1.62	6.99	1.99	0.83	1.13	1.01	0.96	1.22
12	1.40	0.95	0.95	1.10	1.60	6.91	1.97	0.90	1.10	0.84	0.92	1.19
13	1.37	0.94	0.99	1.12	1.58	6.80	1.95	0.86	1.07	0.83	0.93	1.20
14	1.35	0.93	1.00	1.19	1.56	6.62	1.95	0.87	1.02	1.34	1.00	1.22
15	1.33	0.93	1.01	1.36	1.54	6.40	1.95	0.83	0.97	1.26	1.05	1.31
16	1.31	0.92	1.01	1.52	1.52	6.16	1.97	0.81	0.92	1.12	1.10	1.37
17	1.28	0.92	1.00	1.54	1.49	5.90	1.96	0.82	0.90	1.02	1.13	1.38
18	1.26	0.91	1.00	1.55	1.46	5.65	1.94	0.88	0.92	1.07	1.13	1.38
19	1.24	0.90	0.99	1.55	1.43	5.39	1.91	1.27	0.93	1.37	1.15	1.37
20	1.22	0.90	0.98	1.56	1.41	5.14	1.87	1.44	1.02	1.24	1.17	1.36
21	1.20	0.89	0.96	1.58	1.39	4.96	1.80	1.45	1.00	1.15	1.17	1.35
22	1.18	0.89	0.95	1.69	1.37	4.95	1.73	1.44	0.98	1.15	1.20	1.33
23	1.17	0.89	0.95	1.75	1.37	4.88	1.65	1.42	0.97	1.39	1.15	1.31
24	1.18	0.90	0.99	1.74	1.40	4.70	1.59	1.39	0.99	1.83	1.12	1.30
25	1.17	0.89	1.01	1.73	1.40	4.49	1.52	1.37	0.97	1.81	1.07	1.37
26	1.15	0.90	1.05	1.73	1.37	4.28	1.45	1.35	1.02	1.65	1.04	1.49
27	1.13	0.91	1.06	1.73	1.34	4.08	1.39	1.30	1.03	1.43	1.23	1.51
28	1.12	0.92	1.05	1.73	1.31	3.89	1.34	1.26	0.98	1.33	1.35	1.52
29	1.10	0.92	1.04	1.74	---	3.70	1.29	1.21	1.12	1.29	1.37	1.52
30	1.09	0.92	1.03	1.72	---	3.50	1.24	1.16	1.11	1.21	1.35	1.53
31	1.08	---	1.02	1.69	---	3.32	---	1.12	---	1.14	1.35	---
MEAN	1.36	0.95	0.96	1.40	1.50	5.31	2.00	1.09	1.01	1.14	1.13	1.35
MAX	1.84	1.06	1.06	1.75	1.66	7.01	3.17	1.45	1.13	1.83	1.37	1.53
MIN	1.08	0.89	0.86	1.01	1.31	1.29	1.24	0.81	0.86	0.74	0.92	1.19

STATION NUMBER 02314500 SUWANNEE RIVER AT FARGO, GA SOURCE AGENCY USGS STATE 13 COUNTY 065  
 LATITUDE 304050 LONGITUDE 0823338 NAD83 DRAINAGE AREA 1260.00\* CONTRIBUTING DRAINAGE AREA DATUM 91.90 NGVD29  
 Date Processed: 2003-03-10 08:16 By acday

APPROVED

DD #7, DCP

PRECIPITATION, TOTAL, INCHES, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	0.00	0.00	0.29
2	---	---	---	---	---	---	---	---	---	0.00	0.17	0.00
3	---	---	---	---	---	---	---	---	---	0.02	0.17	0.00
4	---	---	---	---	---	---	---	---	---	1.34	0.00	0.00
5	---	---	---	---	---	---	---	---	---	0.02	0.26	0.00
6	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
7	---	---	---	---	---	---	---	---	---	0.10	0.06	0.00
8	---	---	---	---	---	---	---	---	---	0.40	0.00	0.00
9	---	---	---	---	---	---	---	---	---	0.01	0.00	0.00
10	---	---	---	---	---	---	---	---	---	0.00	0.01	0.00
11	---	---	---	---	---	---	---	---	---	0.00	0.08	0.00
12	---	---	---	---	---	---	---	---	---	0.00	0.00	0.00
13	---	---	---	---	---	---	---	---	---	0.01	0.71	0.82
14	---	---	---	---	---	---	---	---	---	0.00	0.00	2.08
15	---	---	---	---	---	---	---	---	---	0.00	0.02	0.03
16	---	---	---	---	---	---	---	---	---	0.00	0.90	0.00
17	---	---	---	---	---	---	---	---	---	0.78	0.00	0.00
18	---	---	---	---	---	---	---	---	---	0.04	0.02	0.00
19	---	---	---	---	---	---	---	---	---	0.00	1.32	0.01
20	---	---	---	---	---	---	---	---	---	0.25	0.01	0.00
21	---	---	---	---	---	---	---	---	0.07	0.00	0.01	0.00
22	---	---	---	---	---	---	---	---	0.14	0.33	0.00	0.00
23	---	---	---	---	---	---	---	---	1.07	0.21	0.00	0.00
24	---	---	---	---	---	---	---	---	0.01	0.09	0.00	0.24
25	---	---	---	---	---	---	---	---	0.00	0.00	0.00	0.03
26	---	---	---	---	---	---	---	---	0.05	0.14	0.00	0.36
27	---	---	---	---	---	---	---	---	0.00	0.00	0.49	0.00
28	---	---	---	---	---	---	---	---	0.35	0.09	0.00	0.00
29	---	---	---	---	---	---	---	---	0.39	0.00	0.03	0.03
30	---	---	---	---	---	---	---	---	0.00	0.00	0.05	0.27
31	---	---	---	---	---	---	---	---	---	0.00	0.00	---
TOTAL	---	---	---	---	---	---	---	---	---	3.83	4.31	4.16